**WARM UP:**

1. **Suppose that hay bales weigh an average of 46 pounds with a standard deviation of 5.8 pounds.**
2. The farmer gets paid a flat fee of $50 plus $12 per lb of hay. What are the mean and std. dev. of his payment?
3. What would be the mean and std. dev. be for the **weight** of 6 hay bales?
4. Suppose that the weights of hay bales follow a normal distribution. A trailer can carry a maximum load of 300 pounds. What is the probability that the weight of 6 hay bales would exceed the maximum load?
5. **Complete p. 385 #37 (not f)**